

t8_jgraph_2

(TMPus7XsVbVeCrQgizRgNN1hQFGVsif4CXN)

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Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k15_euclid : \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $k19_euclid : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_funct_2 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k4_pscomp_1 : \iota$ be given. Let $k5_pscomp_1 : \iota$ be given. Let $k17_euclid : \iota \Rightarrow \iota$ be given. Let $k18_euclid : \iota \Rightarrow \iota$ be given. Let $k7_partfun1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_1 : \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ (X0 = k19_euclid (k17_euclid X0) (k18_euclid X0)) \end{aligned} \quad (1)$$

Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ ((k7_partfun1 k1_numbers X0 np_1 = k3_funct_2 (u1_struct_0 (k15_euclid \\ np_2)) k1_numbers k4_pscomp_1 X0) \wedge (k7_partfun1 k1_numbers X0 \\ np_2 = k3_funct_2 (u1_struct_0 (k15_euclid np_2)) k1_numbers \\ k5_pscomp_1 X0)) \end{aligned} \quad (2)$$

Assume the following.

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ ((k7_partfun1 k1_numbers X0 np_1 = k17_euclid X0) \wedge (k7_partfun1 \\ k1_numbers X0 np_2 = k18_euclid X0)) \end{aligned} \quad (3)$$

Theorem 1

$$\begin{aligned} \forall X0.(m1_subset_1 X0 (u1_struct_0 (k15_euclid np_2))) \Rightarrow \\ (X0 = k19_euclid (k3_funct_2 (u1_struct_0 (k15_euclid np_2)) \\ k1_numbers k4_pscomp_1 X0) (k3_funct_2 (u1_struct_0 (k15_euclid \\ np_2)) k1_numbers k5_pscomp_1 X0)) \end{aligned}$$